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COUNTRY Czechoslovakia

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1. [redacted] three types of bakelite, viz. A, B and C, each of which represented forms of the material at different stages in the reaction between formaldehyde and phenol. Form A was liquid and soluble in alcohol; Form B represented the material at a more complete stage of condensation and was less soluble; Form C was the solidified, insoluble resin.

2. Form B was used to prepare bakelite paper. This paper was used for making electric insulation, packing material, furniture parts, and for similar applications. Form B was the type of bakelite which had been impregnated in the bakelite paper, and it could not be removed from the old paper because of its relative insolubility. Form B, however, could be subjected to further condensation in an alkaline bath. This process, (viz. dipping of used bakelite paper into alkaline baths, followed by removal of the bath liquor by running the paper through a press) was the method of bakelite paper regeneration familiar to me. It is a very commonly used method.

3. Another method of bakelite paper regeneration used in Czechoslovakia consists in the pressing together of old sheets of bakelite paper and obtaining adhesion of these sheets by the addition of fresh bakelite between the sheets as a binder.

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